

ELECTROCHEMICAL CELL SYSTEM OUTPUT CONTROL METHOD AND APPARATUS

ABSTRACT

A method and apparatus is provided for an electrochemical cell system. The electrochemical cell system includes: an electrochemical cell; an energy source configured for providing a quantity of energy to the electrochemical cell; a sensing apparatus in operable communication with a gas output from the electrochemical cell, the sensing apparatus provides an output signal indicating a parameter of the gas output; and a computer in operable communication with the sensing apparatus. The computer includes a memory device configured to store a first operational parameter, and a processor configured to receive a digital representation of the output signal and the first operational parameter. The processor compares the digital representation of the output signal to the first operational parameter for regulating the quantity of energy provided to the electrochemical cell.